IN THE CLAIMS:

The claims are pending as follows.

1.   (Previously Presented)   An image transmission system for a mobile robot, comprising:

a camera for capturing an image as an image signal;

a microphone for capturing sound as a sound signal;

human detecting means for detecting a human from the captured image and/or sound;

a power drive unit for moving the entire robot toward the detected human;

image cut out means for cutting out an image of the detected human according to information from the camera; and

image transmitting means for transmitting the cut out human image to an external terminal,

wherein the human detecting means comprises:

means for detecting a moving object as a human from the image signal obtained from the camera;

means for extracting an outline of the moving object;

means for extracting a face inside the outline of the moving object;

means for detecting a position of a hand by searching for a skin color area other than the face inside the outline of the moving object;

means for recognizing a gesture and/or posture of a human based on a positional relationship between the face and the hand; and

means for detecting a human according to the gesture and/or posture.

2.   (Previously Presented)   An image transmission system according to claim 1, wherein the system is adapted to determine that the moving object is a human from color information of the moving object.

3.   (Original)   An image transmission system according to claim 1, wherein the system is adapted to determine a direction of a sound source from the sound signal obtained from the microphone.

4.   (Original) An image transmission system according to claim 1, further comprising means for monitoring state variables including a current position of the robot; the image transmitting means transmitting the monitored state variables in addition to the cut out human image.

5.   (Original)   An image transmission system according to claim 1, wherein the system is adapted to have the robot direct the camera toward the position of the detected human.

6.   (Original)   An image transmission system according to claim 1, wherein the system further comprises means for measuring a distance to the detected human according to the information from the camera, and providing a target of a movement to said mobile robot.

7.   (Previously Presented)   An image transmission system according to claim 1, wherein the image cut out means cuts out a portion of the image so that the portion of the image includes an image of the detected human, and the image transmitting means transmits only the cut out portion of the image to the external terminal.

8.   (Previously Presented)   An image transmission system according to claim 7, wherein the image cut out means cuts out the portion of the captured image so that the portion of the image includes a face image of the detected human wherein the face image of the detected human occupies a substantially entire area of the cut out portion of the image.